

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A sensor ~~for measuring~~adapted to measure the concentration or presence/absence of carbon dioxide in respiratory gas from a living body, comprising:

a light-emitting light element operable to emit light;

a light-receiving element adapted to receive the light emitted from the light-receiving element;

a support member ~~for supporting~~ thea light-emitting element and thea light-receiving element ~~which such that they are disposed~~opposed to each other on a single optical axis ~~so as to oppose each other,~~ the support member being adapted to be located below the nostrils of a living body; and

a respiratory flow path formed in the support member ~~in such a manner that the respiratory gas can flow~~ so as to cross over the optical axis and adapted to allow the respiratory gas to pass therethrough when the support member is ~~attached to an area~~ located below the nostrils of the living body; and

a first guide member adapted to introduce the respiratory gas from the nostrils to the respiratory gas flow.

2. (canceled)

3. (currently amended): The sensor as claimed in claim 12, further comprising~~wherein~~
~~retaining means corresponds to~~ ear straps ~~which are~~adapted to be hooked around the ears of the
living body for holding the supporting member below the nostrils.

4. (currently amended): The sensor as claimed in claim 3, wherein the ear straps includes
at least one of a first lead wire for supplying power to the light-emitting element and a second
lead wire for outputting a signal detected by the light-receiving element ~~to the outside such that~~
~~at least one of first and second lead wire is laid in the ear straps~~.

5. (currently amended): The sensor as claimed in claim 12, further comprising~~wherein~~
~~the retaining means corresponds to~~ an engagement member provided on the support member and
adapted to be engaged with a tubular member for supplying oxygen to the nostrils.

6. - 7. (canceled)

8. (currently amended): The sensor as claimed in claim 1, wherein the ~~support~~first guide
member ~~is provided with an adapter having~~has nasal prongs adapted to be inserted into the
nostrils for introducing the respiratory gas from the nostrils to the respiratory flow path.

9. (currently amended): The sensor as claimed in claim 1, further comprising~~wherein the~~
~~support member is provided with a respiratory guide section for introducing a second guide~~

member adapted to guide the respiratory gas from thea mouth of the living body to the
respiratory flow path.

10. (currently amended): A sensor ~~for measuring the~~adapted to measure a concentration
or presence/absence of carbon dioxide in respiratory gas from a living body, comprising:

a light-emitting element operable to emit light;

a light-receiving element adapted to receive the light emitted from the light-emitting
element;

an oxygen mask adapted to cover a part of a face of the living body to supply oxygen to
the living body;

a support member ~~for supporting thea~~ light-emitting element and ~~thea~~ light-receiving
element such that theywhich are disposedopposed to each other on a single optical axis ~~so as to~~
~~oppose each other,~~ the support member being disposed on an exterior surface of the oxygen
mask; and

a respiratory flow path formed in the support member ~~in such a manner that the~~
~~respiratory gas can flow~~ so as to cross over the optical axis and so as to communicate with an
interior of the oxygen mask, the respiratory flow path being adapted to allow the respiratory gas
to pass therethrough when the oxygen mask covers the part of the face; and

~~an oxygen mask covering the face of the living body and supplying oxygen;~~

~~wherein the support member is provided on an exterior surface of the oxygen mask to~~
~~bring the inside of the oxygen mask in communication with the respiratory flow path.~~

11. -12. (canceled)

13. (currently amended): A sensor ~~for measuring~~ adapted to measure ~~at~~ the concentration or presence/absence of carbon dioxide in respiratory gas from a living body, comprising:

a light-emitting element operable to emit light;

a light-receiving element adapted to receive the light emitted from the light-emitting element;

an airway case adapted to be located below nostrils of the living body ~~opened on both ends thereof~~ and having a pair of openings opposing to each other ~~at least a circumferential wall having a hole formed therein for passing through the respiratory gas; and~~

a respiratory flow path formed in the airway case so as to extend between the openings, and adapted to allow the respiratory gas to pass therethrough when the airway case is located below the nostrils of the living body;

~~a pair of holding members for hermetically holding transparent thin films between respective end faces of the airway case;~~

~~a pair of supporting members respectively fitted into the outer end faces of the pair of holding members for supporting~~ a light-emitting element and a light-receiving element ~~which~~ such that they are disposed ~~opposed to each other~~ on a single optical axis through the openings ~~so as to oppose each other;~~

~~wherein the airway case is attached to a position below the nostrils of the living body, the respiratory gas can cross over the optical axis.~~

14. (currently amended): The sensor as claimed in claim 13, wherein the thin films are anti-fogging films ~~for preventing condensation of moisture in the respiratory gas on the surfaces of the films.~~

15. (currently amended): The sensor as claimed in claim 13, wherein said ~~pair of~~ supporting members are removably engaged with ~~said pair of holding members through engagement members~~ the light emitting element and the light-receiving element respectively.

16. (currently amended): The sensor as claimed in claim 13, further comprising:~~wherein~~
a guide member adapted to introduce the airway case is provided with an adapter having
nasal prongs to be inserted into the nostrils for introducing respiratory gas from the nostrils into
the respiratory flow path~~airway case.~~

17. (currently amended): The sensor as claimed in claim 13, further comprising~~wherein~~
guide member adapted to introduce the airway case has a respiratory guide section for
introducing respiratory gas from at the mouth of the living body into the respiratory flow
path~~airway case.~~

18. (new): The sensor as claimed in claim 1, wherein the first guide member is removably engaged with the support member.

19. (new): The sensor as claimed in claim 16, wherein the guide member has nasal prongs adapted to be inserted into the nostrils for introducing the respiratory gas from the nostrils to the respiratory flow path.

20. (new): The sensor as claimed in claim 16, wherein the guide member is removably engaged with the airway case.

21. (new): An airway case adapted to be located below nostrils of a living body when a concentration of presence/absence of carbon dioxide in respiratory gas from a living body is measured with a light-emitting element emitting light and a light-receiving element receiving the light emitted from the light-emitting element, the airway of the case comprising:

a pair of openings opposing to each other;

a respiratory flow path extending between the openings, and adapted to allow the respiratory gas to pass therethrough when the airway case is located between the nostrils of the living body;

a pair of transparent thin films respectively sealing the openings; and

a pair of supporting members each of which is adapted to removably engage with one of the light-emitting element and the light-receiving element such that they are supported so as to oppose each other on a single optical axis through the openings.

22. (new): The airway case as claimed in claim 21, wherein the thin films are anti-fogging films.

23. (new): The airway case as claimed in claim 21, further comprising:
a guide member adapted to introduce the respiratory gas from the nostrils into the respiratory flow path.

24. (new): The airway case as claimed in claim 21, further comprising:
a guide member adapted to introduce the respiratory gas from a mouth of the living body into the respiratory flow path.

25. (new): The airway case as claimed in claim 24, wherein the guide member has nasal prongs adapted to be inserted into the nostrils for introducing the respiratory gas from the nostrils into the respiratory flow path.

26. (new): The airway case as claimed in claim 24, wherein the guide member is removably engaged with the airway case.